### Module 5 - Strain Applications

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering
Tennessee Technological University

**Topic 3 - Principle Strains** 

#### **Topic 3 - Principle Strains**

- What is Principle Stress?
- Motivation
- Strain Applications
- Example: A Pressure Vessel

# What is Principle Stress?

Text: Theory and Design of Mechanical Measurements

What is Principle Stress?

Motivation

Strain Applications

Example: A Pressure Vessel

### Motivation

What is Principle Stress?

Motivation

Strain Applications

Example: A Pressure Vessel

### Motivation

# Strain Applications

Text: Theory and Design of Mechanical Measurements

# Strain Applications

Text: Theory and Design of Mechanical Measurements

### Example: A Pressure Vessel